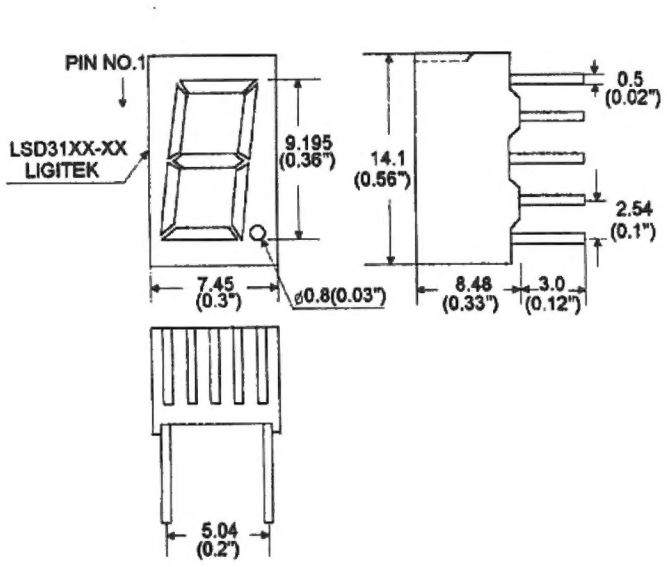
Jameco Part number 17179

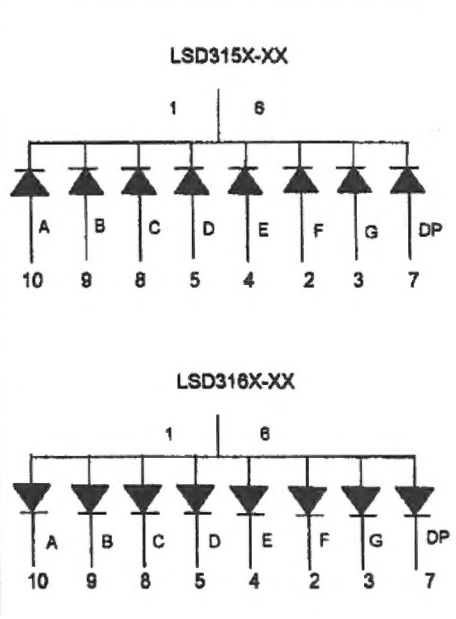
LIGITEK

SINGLE DIGIT LED DISPLAY (0.36Inch) **LSD315X/6X** *series* *Page 1/2*

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



NOTE: All Dimension Are In Millimeters And (Inch)
Tolerance is ±0.25(0.01") Unless Otherwise Noted

- **Connection To Electrical Schematic**

Electrical Connection

PIN NO.	LSD315X=XX	PIN NO.	LSD316X=XX
1	Common Cathode	1	Common Anode
2	Anode F	2	Cathode F
3	Anode G	3	Cathode G
4	Anode E	4	Cathode E
5	Anode D	5	Cathode D
6	Common Cathode	6	Common Anode
7	Anode DP	7	Cathode DP
8	Anode C	8	Cathode C
9	Anode B	9	Cathode B
10	Anode A	10	Cathode A
文件編號	**:QW0905-S315/6X-XX**	版本:A	生效日期: **Jun. 8. 1996**

Jameco Part number 17179

SINGLE DIGIT LED DISPLAY (0.36Inch) **LSD315X/6X** *series* *Page 2/2*

- **Part Selection And Application Information (Ratings At 25°C Ambient)**

PART NO	CHIP		common cathode or anode	λP (nm)	Δλ (nm)	Electrical					IV=M
						Vf(v)			Iv(mcd)		
	Material	Emitted				*Min*	*Typ.*	*Max*	*Min*	*Typ.*	
LSD3155-XX	GaAIAs	Red	Common Cathode	660	20	1.5	1.7	2.4	1.6	2.6	2:1
LSD3151-XX	GaP	Red		697	90	1.7	2.1	2.8	0.5	0.8	2:1
LSD3152-XX	GaP	Green		565	30	1.7	2.1	2.8	1.2	2.0	2:1
LSD3153-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	1.2	2.0	2:1
LSD3154-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	1.2	2.0	2:1
LSD3165-XX	GaA/As	Red	Common Anode	660	20	1.5	1.7	2.4	1.6	2.6	2:1
LSD3161-XX	GaP	Red		697	90	1.7	2.1	2.8	0.5	0.8	2:1
LSD3162-XX	GaP	Green		565	30	1.7	2.1	2.8	1.2	2.0	2:1
LSD3163-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	1.2	2.0	2:1
LSD3164-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	1.2	2.0	2:1

- **Absolute Maximum Rating (Ta=25°C)**

Parameter	Red			Green		Yellow		Orange		Unit	Remark
Forward Current Per Chip	SR		H		G		Y		E		
	40		15		30		20		30	mA	
Peak Current Per Chip (Duty 1/10, 0.1MS Pulse Width)	200		60		120		80		120	mA	
Power Dissipation Per Chip	110		45	100		85		100		mW	
Derating Linear From 25°C Per Chip	0.45		0.25	0.45		0.45		0.45		mA/°C	
Reverse Current Per Any Chip	10			10		10		10		μA	
Operating Temperature	- 40° C TO +85° C										
Storage Temperature	-40° C TO +100° C										
Solder Temperature 1/16 inch Below Seating											

- **Test Condition For Each Parameter**

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Peak Emission Wavelength	λP	nm	If=20mA
Spectral Line Half-Width	λΔ	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		